

us-10-007-047-1.rni

GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: February 21, 2005, 02:15:21 ; Search time 689 seconds  
(without alignments)  
10767.603 Million cell updates/secTitle: US-10-007-047-1  
Perfect score: 4534  
Sequence: 1 ccaagcttggtacccccggg.....gcatgcnntagagggcccta 4534Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summariesDatabase : Issued\_Patents\_NA:\*  
1: /cgn2\_6/ptodata/1/ina/5A\_COMB.seq:\*  
2: /cgn2\_6/ptodata/1/ina/5B\_COMB.seq:\*  
3: /cgn2\_6/ptodata/1/ina/6A\_COMB.seq:\*  
4: /cgn2\_6/ptodata/1/ina/6B\_COMB.seq:\*  
5: /cgn2\_6/ptodata/1/ina/PCTUS\_COMB.seq:\*  
6: /cgn2\_6/ptodata/1/ina/backfiles1.seq:\*Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	% Match	Query Length	IDB	ID	Description
1	3855	85.0	6628	4	US-09-949-016-4586	Sequence 4586, Ap
2	3754.8	82.8	4796	3	US-09-085-199B-3	Sequence 3, Appli
3	1664.4	36.7	2301	3	US-09-085-199B-8	Sequence 8, Appli
4	1155.2	25.5	1164	3	US-09-085-199B-1	Sequence 1, Appli
5	1118.4	24.7	3715	3	US-09-085-199B-44	Sequence 44, Appl
6	1116.8	24.6	68702	4	US-09-949-016-16328	Sequence 16328, A
7	970	21.4	3979	3	US-09-085-199B-10	Sequence 10, Appl
8	715.4	15.8	3876	4	US-09-849-602-4	Sequence 4, Appli
9	483.2	10.7	3251	3	US-09-085-199B-6	Sequence 6, Appli
10	187	4.1	436	3	US-09-085-199B-28	Sequence 28, Appl
c 11	187	4.1	601	4	US-09-949-016-163605	Sequence 163605,
12	175.4	3.9	279	3	US-09-085-199B-43	Sequence 43, Appl
13	149	3.3	485	3	US-09-085-199B-32	Sequence 32, Appl
14	147.2	3.2	193	3	US-09-085-199B-17	Sequence 17, Appl
15	144.6	3.2	578	3	US-09-085-199B-25	Sequence 25, Appl
16	144	3.2	565	3	US-09-085-199B-23	Sequence 23, Appl
17	138.8	3.1	498	3	US-09-085-199B-36	Sequence 36, Appl



us-10-007-047-1.rni

QY 739 GTCATCTTGGACTGCAGCCACCTTTATGACTACACTGTCAAGCTTCTCTTCAAACCTCCAC 798  
 Db 121 GTCATCCAGGACTGCAGCCACCTCTACCACTACACGGTCAAGCTCCTGTTCAAGCTACAC 180

QY 799 TCCTGCCTCCCAGCTGACACCCTGCAAGGCCACCGGACCGCTTCATGGAGCAGTTTACA 858  
 Db 181 TCTTGTCTCCCTGCGGACACCCTGCAAGGCCACAGGGACCGGTTCCACGAGCAGTTTAC 240

QY 859 AAGTTGAAAGATCTGTTCTACCGCTCCAGCAACCTGCAGTACTTCAAGCGGCTCATTACAG 918  
 Db 241 AGCCTCAGGAACTTCTTCCGCAGAGCCTCCGACATGCTGTACTTCAAGCGGCTCATCCAG 300

QY 919 ATCCCCCAGCTGCCTGAGAACCACCCAACTTCCTGCGAGCCTCAGCCCTGTCAGAACAT 978  
 Db 301 ATCCCCCGGCTGCCCGAGGGACCCCTAACTTCCTGCGGGCCTCAGCCCTGGCTGAGCAC 360

QY 979 ATCAGCCCTGTGGTGGTATCCCTGCAGAGGCCTCATCCCCGACAGCGAGCCAGTCCTA 1038  
 Db 361 ATCAAGCCGGTGGTGGTATCCCCGAGGAGGCCCC-----GGAAGATGAG 405

QY 1039 GAGAAGGATGACCTCATGGACATGGATGCCTCTCAGCAGAATTTATTTGACAACAAGTTT 1098  
 Db 406 GAGCCGGAGAATCTCATTGAGATCAGCACAGGGCCCCCGCGGGGGAGCCAGTGGTGGTG 465

QY 1099 GATGACATCTTTGGCAGTTCATTGAGCAGTGATCCCTTCAATTTCAACAGTCAAAATGGT 1158  
 Db 466 GCTGACCTCTTCGATCAGACGTTTGG-----ACCCCCAATGGG 504

QY 1159 GTGAACAAGGATGAGAAGGACCACTTAATTGAGCGACTATACAGAGAGATCAGTGGATTG 1218  
 Db 505 TCTGTGAAGGACGACAGGGACCTCCAGATTGAGAGCTTGAAGAGAGAGGTGGAAATGCTC 564

QY 1219 AAGGCACAGCTAGAAAACATGAAGACTGAGAGCCAGCGGTTGTGCTGCAGCTGAAGGGC 1278  
 Db 565 CGCTCTGAACTGGAGAAGATCAAGCTGGAGGCCAGCGGTACATCGCGCAGCTGAAGAGC 624

QY 1279 CACGTGAGCGAGCTGGAAGCAGATCTGGCCGAGCAGCAGCACCTGCGGCAGCAGGCGGCC 1338  
 Db 625 CAGGTGAATGCACTGGAGGGTGAGCTGGAGGAGCAGCGGAAGCAGAAGGCCCTG 684

QY 1339 GACGACTGTGAATTCCTGCGGGCAGAACTGGACGAGCTCAGGAGGCAGCGGGAGGACACC 1398  
 Db 685 GTGGATAATGAGCAGCTCCGCCACGAGCTGGCCAGCTGAGGGCTGCCAGCTGGAGGGC 744

QY 1399 GAGAAGGCTCAGCGGAGCCTGTCTGAGATAGAAAGGAAAGCTCAAGCCAATGAACAGCGA 1458  
 Db 745 GAGCGGAGCCAGGGCCTGCGTGAGGAGGCTGAGAGGAAGGCCAGTGCCACGGAGGCGCGC 804

QY 1459 TATAGCAAGCTAAAGGAGAAGTACAGCGAGCTGGTTCAGAACCACGCTGACCTGCTGCGG 1518  
 Db 805 TACAACAAGCTGAAGGAAAAGCACAGTGAGCTCGTCCATGTGCACGCGGAGCTGCTCAGA 864

QY 1519 AAGAATGCAGAGGTGACCAAACAGGTGTCCATGGCCAGACAAGCCCAGGTAGATTTGGAA 1578  
 Db 865 AAGAACGCGGACACAGCCAAGCAGCTGACGGTGACGCAGCAAAGCCAGGAGGAGGTGGCG 924

QY 1579 CGAGAGAAAAAAGAGCTGGAGGATTCGTTGGAGCGCATCAGTGACCAGGGCCAGCGGAAG 1638  
 Db 925 CGGGTGAAGGAGCAGCTGGCCTTCCAGGTGGAGCAGGTGAAGCGGGAGTCGGAGTTGAAG 984

QY 1639 ACTCAAGAACAGCTGGAAGTTCTAGAGAGCTTGAAGCAGGAACTTGCCACAAGCCAACGG 1698

Db	985	CTAGAGGAGAAGAGCGACCCAGCTGGAGAAGCTCAAGAGGGAGCTGGAGGCCAAGGCCGGA	1044
Qy	1699	GAGCTTCAGGTTCTGCAAGGCAGCCTTGAAACTTCTGCCAGTCAGAAGCAAAGCTGGGCA	1758
Db	1045	GAGCTGGCCCGCGCGCAGGAGGCCCTGAGCCACACAGAGCAGAGCAAGTCGGAGCTGAGC	1104
Qy	1759	GCCGAGTTCGCCGAGCTAGAGAAGGAGCGGGACAGCCTGGTGAGTGGCGCAGCTCATAGG	1818
Db	1105	TCACGGCTGGACACGCTGAGTGCGGAGAAGGATGCTCTGAGTGGAGCTGTGCGGCAGCGG	1164
Qy	1819	GAGGAGGAATTATCTGCTCTTCGGAAGAAGCTGCAGGACACTCAGCTCAAAGTGGCCAGC	1878
Db	1165	GAGGCAGACCTGCTGGCGGCGCAGAGCCTGGTGCGCGAGACAGAGGCGGCGCTGAGCCGG	1224
Qy	1879	ACAGAG-----GAATCTATGTGCCAGCTTGCCAAAGACCAA	1914
Db	1225	GAGCAGCAGCGCAGCTCCCAGGAGCAGGGCGAGTTGCAGGGCCGGCTGGCAGAGAGGGAG	1284
Qy	1915	CGAAAAATGCTTCTGGTGGGGTCCAGGAAGGCTGCGGAGCAG-----	1956
Db	1285	TCTCAGGAGCAGGGGCTGCGGCAGAGGCTGCTGGACGAGCAGTTTCGAGTGTTCGGGGC	1344
Qy	1957	-----GTGATACAAGACGCCCTGAACCAGCTTGAAGAACCTCCT	1995
Db	1345	GCTGCTGCCGAGGCCGCGGGCATCCTGCAGGATGCCGTGAGCAAGCTGGACGACCCCTG	1404
Qy	1996	CTCATCAGCTGCGCTGGGTCTGCAGATCACCTCCTCTCCACGGTCACATCCATTTCAGC	2055
Db	1405	CACCTGCGCTGTACCAGCTCCCCAGACTACCTGGTGAGCAGGGCCAGGAGGCCTTGAT	1464
Qy	2056	TGCATCGAGCAACTGGAGAAAAGCTGGAGCCAGTATCTGGCCTGCCCAGAAGACATCAGT	2115
Db	1465	GCCGTGAGCACCCTGGAGGAGGGCCACGCCAGTACCTGACCTCCTTGGCAGACGCCTCC	1524
Qy	2116	GGACTTCTCCATTCCATAACCCTGCTGGCCCACTTGACCAGCGACGCCATTGCTCATGGT	2175
Db	1525	GCCCTGGTGGCAGCTCTGACCCGCTTCTCCACCTGGCTGCGGATACCATCATCAATGGC	1584
Qy	2176	GCCACCACCTGCCTCAGAGCCCCACCTGAGCCTGCCGACTCACTGACCGAGGCCTGTAAG	2235
Db	1585	GGTGCCACCTCGCACCTGGCTCCACCGACCCCTGCCGACCGCCTCATAGACACCTGCAGG	1644
Qy	2236	CAGTATGGCAGGGAAACCCTCGCCTACCTGGCCTCCCTGGAGGAAGAGGGAAGCCTTGAG	2295
Db	1645	GAGTGCGGGGCCCCGGGCTCTGGAGCTCATGGGCGAGCTGCAGGACCAGCAGGCTCTGCGG	1704
Qy	2296	AATGCCGACAGCACAGCCATGAGGAACTGCCTGAGCAAGATCAAGGCCATCGGCGAGGAG	2355
Db	1705	CACATGCAGGCCAGCCTGGTGCGGACACCCCTGCAGGGCATCCTTCAGCTGGGCCAGGAA	1764
Qy	2356	CTCCTGCCCAGGGGACTGGACATCAAGCAGGAGGAGCTGGGGGACCTGGTGGACAAGGAG	2415
Db	1765	CTGAAACCCAAGAGCCTAGATGTGCGGCAGGAGGAGCTGGGGGCCGTGGTCGACAAGGAG	1824
Qy	2416	ATGGCGGCCACTTCAGTGCTATTGAAACTGCCACGGCCAGAATAGAGGAGATGCTCAGC	2475
Db	1825	ATGGCGGCCACATCCGCAGCCATTGAAGATGCTGTGCGGAGGATTGAGGACATGATGAAC	1884
Qy	2476	AAATCCCGAGCAGGAGACACAGGAGTCAAATTGGAGGTGAATGAAAGGATCCTTGTTGC	2535
Db	1885	CAGGCACGCCACGCCAGCTCGGGGGTGAAGCTGGAGGTGAACGAGAGGATCCTCAACTCC	1944
Qy	2536	TGTACCAGCCTCATGCAAGCTATTGAGGTGCTCATCGTGGCCTCTAAGGACCTCCAGAGA	2595

us-10-007-047-1.rni

db	1945	TGCACAGACCTGATGAAGGCTATCCGGCTCCTGGTGACGACATCCACTAGCCTGCAGAAG	2004
Qy	2596	GAGATTGTGGAGAGCGGCAGGGGTACAGCATCCCCTAAAGAGTTTTATGCCAAGAACTCT	2655
db	2005	GAGATCGTGGAGAGCGGCAGGGGGGAGCCACGCAGCAGGAATTTTACGCCAAGAACTCG	2064
Qy	2656	CGATGGACAGAAGGACTTATCTCAGCCTCCAAGGCTGTGGGCTGGGGAGCCACTGTCATG	2715
db	2065	CGCTGGACCGAAGGCCTCATCTCGGCCTCCAAGGCTGTGGGCTGGGGAGCCACACAGCTG	2124
Qy	2716	GTGGATGCAGCTGATCTGGTGGTACAAGGCAGAGGGAAATTTGAGGAGCTAATGGTGTGT	2775
db	2125	GTGGAGGCAGCTGACAAGGTGGTGCTTACACGGGCAAGTATGAGGAGCTCATCGTCTGC	2184
Qy	2776	TCTCATGAAATTGCTGCTAGCACAGCCCAGCTTGTGGCTGCATCCAAGGTGAAAGCTGAT	2835
db	2185	TCCCACGAGATCGCAGCCAGCACGGCCCAGCTGGTGGCGGCCCTCAAGGTGAAGGCCAAC	2244
Qy	2836	AAGGACAGCCCCAACCTAGCCCAGCTGCAGCAGGCCTCTCGGGGAGTGAACCAGGCCACT	2895
db	2245	AAGCACAGCCCCCACCTGAGCCGCCTGCAGGAATGTTCTCGCACAGTCAATGAGAGGGCT	2304
Qy	2896	GCCGGCGTTGTGGCCTCAACCATTTCGGGCAAATCACAGATCGAAGAGACAGACAACATG	2955
db	2305	GCCAATGTGGTGGCCTCCACCAAGTCAGGCCAGGAGCAGATTGAGGACAGAGACACCATG	2364
Qy	2956	GACTTCTCAAGCATGACGCTGACACAGATCAAACGCCAAGAGATGGATTCTCAGGTTAGG	3015
db	2365	GATTTCTCCGGCCTGTCCCTCATCAAGCTGAAGAAGCAGGAGATGGAGACGCAGGTGCGT	2424
Qy	3016	GTGCTAGAGCTAGAAAATGAATTGCAGAAGGAGCGTCAAAAAGTGGGAGAGCTTCGGAAA	3075
db	2425	GTCCTGGAGCTGGAGAAGACGCTGGAGGCTGAACGCATGCGGCTGGGGGAGTTGCGGAAG	2484
Qy	3076	AAGCACTACGAGCTTGCTGGTGTGCTGAGGGCTGGGAAGAAG	3118
db	2485	CAACACTACGTGCTGGCTGGGGCATCAGGCAGCCCTGGAGAGG	2527